

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**REQUEST FOR FILING NATIONAL PATENT APPLICATION**  
Under 35 USC 111(a) and Rule 53(b)(1)  
 (Not for Provisional or PCT cases)

PATENT  
APPLICATION

The Commissioner of Patents  
and Trademark  
Washington, D.C. 20231

WITH SIGNED DECLARATION

**NONPROVISIONAL**

Sir:

Herewith is the PATENT APPLICATION of  
TOWNES

(Our Deposit Account No. 50-0687)

Our Order No.

84715

Title: BLADE COOLING

Atty. Dkt.

C#

84715

M#

3054 GNN

M#

Client Ref

INCLUDING:

Date: December 1, 2003

1. Specification: 11 pages (only spec. and claims)      2. ☐ Specification in non-English language
3. Declaration ☒ Original ☐ Facsimile/Copy ☒ Abstract 1 page(s); 12 numbered claims
4. ☒ Drawings: 3 sheet(s) ☒ informal; ☒ formal of size: ☒ A4 ☐ 13" ☐ 14"
5. AMEND the specification please by inserting before the first line: --This is a ☐ Continuation-in-Part
- ☐ Divisional ☐ Continuation ☐ Substitute Application (MPEP 201.09) of:
- 5(a) ☐ National Appln. No. \_\_\_\_\_ filed \_\_\_\_\_ (M# )
- 5(b) ☐ International Appln. No. \_\_\_\_\_ filed \_\_\_\_\_ Which designated the U.S. - -
6. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.
7. ☐ Prior application is assigned to \_\_\_\_\_

by Assignment recorded \_\_\_\_\_ Reel \_\_\_\_\_ Frame \_\_\_\_\_

8. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in GREAT BRITAIN

9.

Application No.	Filing Date	Application No.	Filing Date
(1) 0228443.8	12/6/02	(4)	
(2)		(5)	
(3)		(6)	

10. \_\_\_\_\_ (No.) Certified copy (copies): ☐ attached; ☐ previously filed (date) \_\_\_\_\_  
in U.S. Application No. \_\_\_\_\_ filed on \_\_\_\_\_
11. ☐ Attached: \_\_\_\_\_ (No.) Verified Statement(s) establishing "small entity" status under Rules 9 & 27.

13281 U.S. PTO  
120103

03917 U.S. PTO  
10/724100  
120103

12. **DOMESTIC/INTERNATIONAL** priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, non-provisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(4)	
(2)		(5)	
(3)		(6)	

13. ☒ Attached: INFORMATION DISCLOSURE STATEMENT AND REFERENCES

14. ☒ Preliminary Amendment: ATTACHED.

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

				Large/Small Entity	
15. Basic Filing Fee.....					\$ 770.00
16. Total Effective Claims	12	minus 20 =	0	x \$18.00	\$
17. Independent Claims	1	minus 3 =	0	x \$84.00	\$
18. If any proper multiple dependent claim (ignore improper) is present, add (Leave this line blank if this is a reissue application)				+ \$	+0
19. TOTAL FILING FEE ENCLOSED =					\$770.00
20. If "non-English" box 2 is X'd, add Rule 17(k) processing fee				+ \$	+
21. If "assignment" box 6 is X'd, add recording fee				+ \$40.00	+ 40.00
22. <input type="checkbox"/> Attached is a Rule 47 Petition and Petition Fee (per Rule 17(h))				+ \$	+
23. TOTAL FEE ENCLOSED =					\$810.00

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. **This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.**

Manelli, Denison & Selter  
PLLC

Customer No. 20736

By: Atty: W. Warren Taltavull

Sig:

Reg. No. 25647

Fax: (202) 887-0336

Tel: (202) 261-1047

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION of  
Inventor(s): TOWNES

Group Art Unit: Unassigned

Examiner: Unassigned

Appln. No.: Unassigned  
Filing Date: 12/1/03

Attorney Docket No.: 84715

December 1, 2003

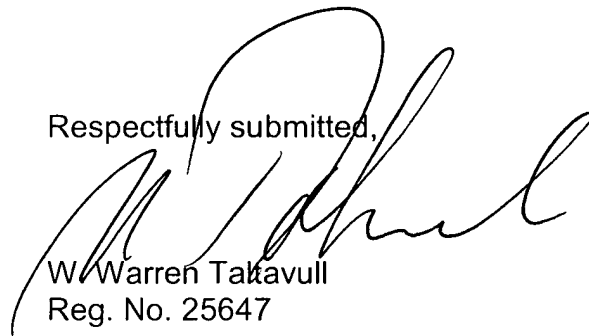
**SUBMISSION OF FORMAL DRAWINGS**

Honorable Commissioner of Patents  
And Trademarks  
Washington, D.C. 20231

In connection with above application, submitted herewith are the  
following:

-Formal drawings containing 3 sheets including Figures 1 - 4.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'W. Warren Takavull', is written over the typed name and registration number.

W. Warren Takavull  
Reg. No. 25647

Manelli, Denison & Selter PLLC  
2000 M Street N.W.  
Washington, D.C. 20036  
202 261 1047